

Medicaid Transformation Grant Project Update

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Cabinet for Health and Family Services



Scope of MTG

- Kentucky received \$4.9 M for the MTG Project
- Contract awarded to ACS on 9/16/2009
- MTG scope was realigned based on emerging national health information exchange efforts
- Development of foundational components necessary for a statewide health information exchange
- Projected implementation date 2nd qtr 2010

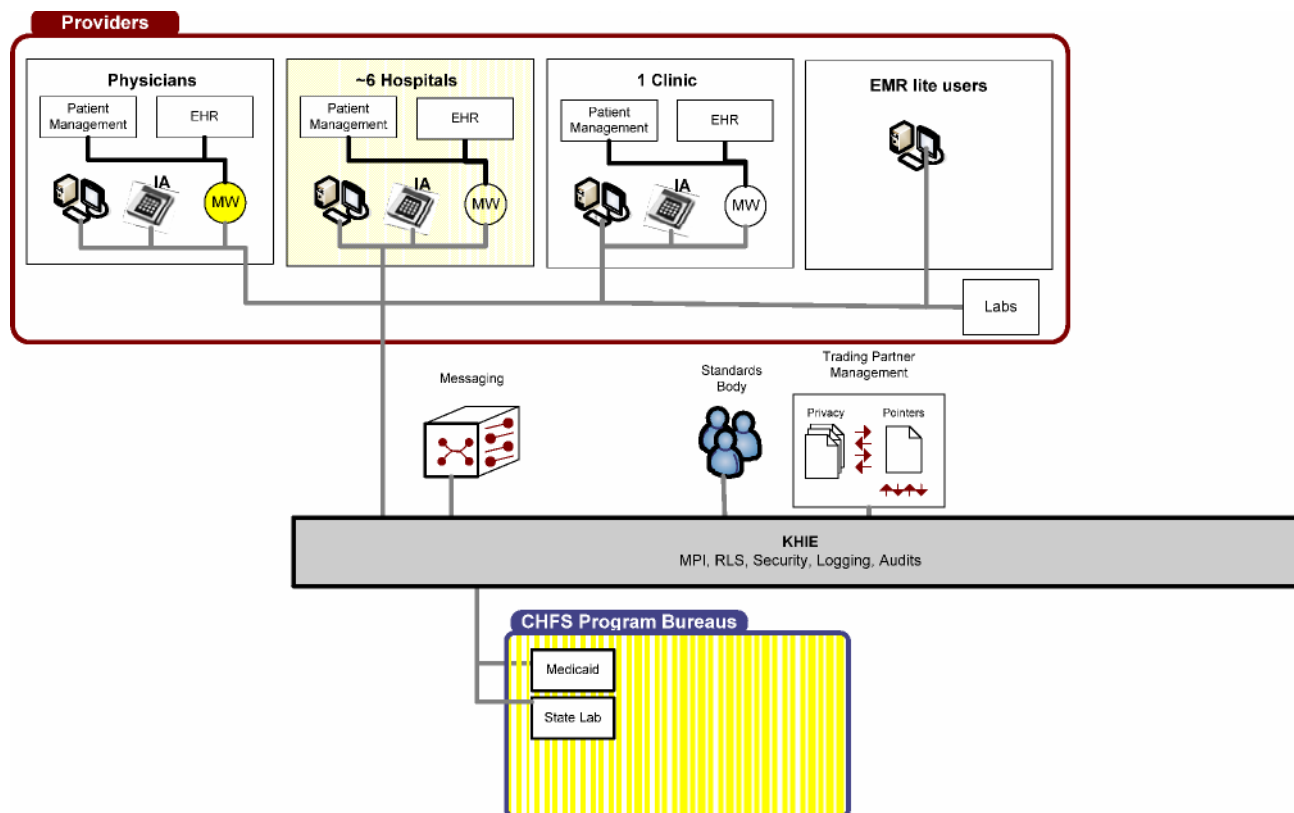


Foundational Components

- Master Patient index (eMPI) and Record Locator Service(RLS)
- Standards based, EMR agnostic interoperability approach
- Role based security
- Hybrid model allowing for federated data stores
- Extensive logging
- ePrescribing (at no cost for physician offices)
- Lab interfaces (State lab and one private lab)
- Clinical decision support
- “EMR Light” (available at no cost for physician offices)



KHIE Phase 1 Development Funded by MTG



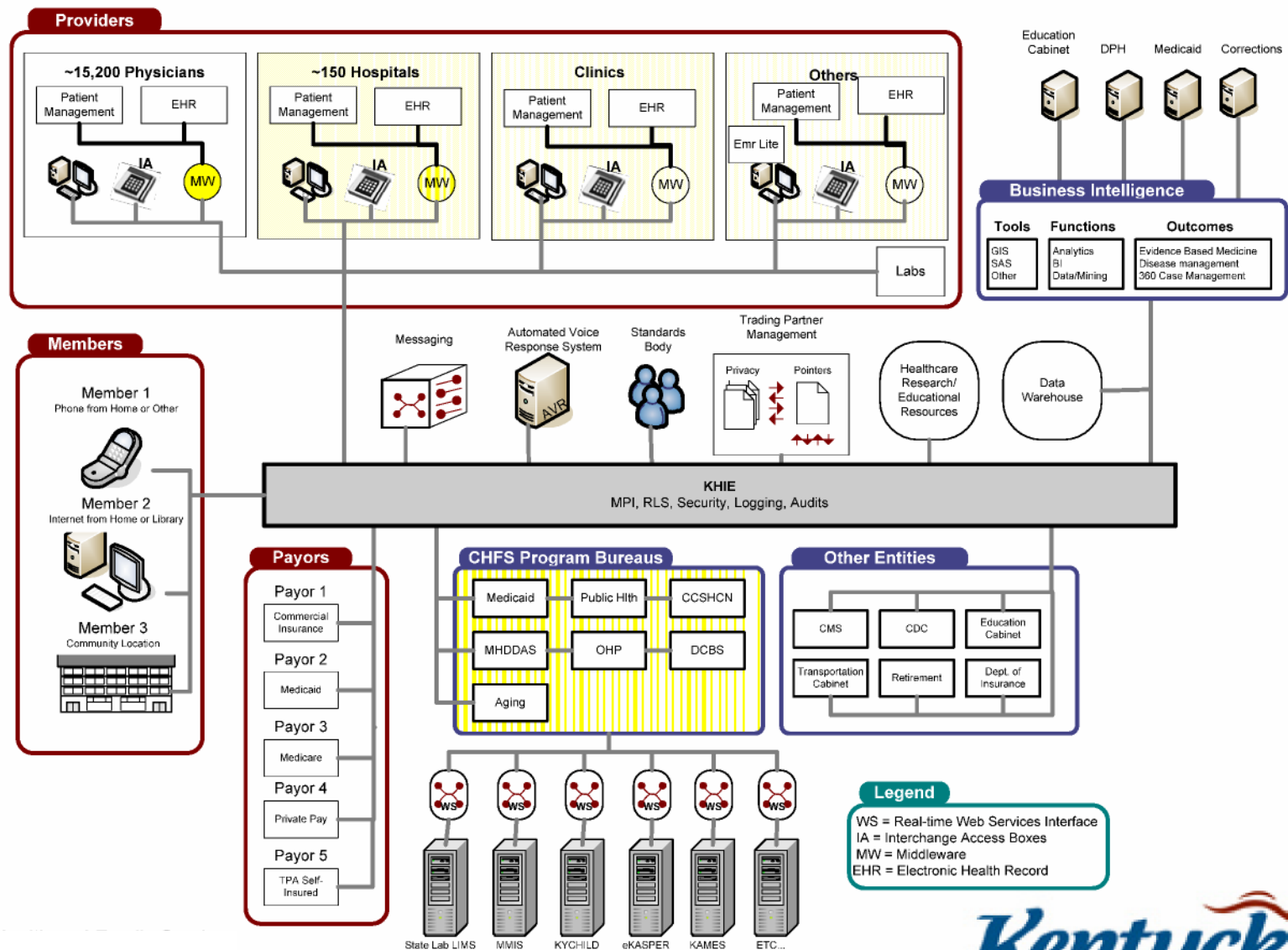
Cabinet for Health and Family Services Slide #4

Legend

WS = Real-time Web Services Interface
IA = Interchange Access Boxes
MW = Middleware
EHR = Electronic Health Record



KHIE Full Implementation



MTG Current Status

- ACS Team is on site full-time in Kentucky
- Cabinet staff continue to work daily with ACS staff
 - Cabinet staff includes:
 - KHIE Project Manager (Vic Chesser)
 - KHIE Technical Analyst
 - KHIE Business Analyst
 - Cabinet Policy Analyst
 - E-Health Project Manager
 - E-Health Technical Writer
 - E-Health Reporting/Budget Analyst
 - Cabinet technical architects
 - Office of Legal Services staff
 - CHFS CIO
 - CHFS OATS Director of Infrastructure and User Support
 - Department for Medicaid Services Staff
 - Department for Public Health Staff
 - KHIE project is currently under the direction of Office of Administrative and Technology Services Executive Director



MTG Current Status

- Meetings with hospitals are underway
- Meetings with MMIS and Pharmacy Benefit vendors are underway
- Implementation Project Plan completed
- Requirements sessions underway
- Companion Guide for Continuity of Care Document (CCD) has been completed by ACS and is under review by CHFS
- Interoperability forum will be starting up
- Connectivity guidelines for KHIE have been developed

KHIE Hospital Connectivity Guidelines

PLATINUM

Functional Requirements

Base :

- Ability to connect to the KHIE over a secure web service
- Ability to utilize the IHE Framework – Cross Enterprise Document Exchange (XDSb) to
 - Register Documents with the KHIE and
 - Retrieve documents through the KHIE
- Ability to maintain a document repository accessible to KHIE or utilize a Vendor hosted repository that is independent from KHIE

Secondary

- Ability to utilize the IHE Framework – Cross Enterprise Document Sharing for Imaging (XDS I.b) to
 - Register Images and AVIs with the KHIE
 - Ability to retrieve images through the KHIE
- Ability to maintain an accessible PACS image repository

GOLD

Functional Requirements

Base:

- Ability to perform at Silver Level for KHIE Query
- Ability to provide an Encounter CCD to the KHIE following a patient visit (Physician – Clinic)
- Ability to provide a Discharge CCD to the KHIE following a patient admission (hospital)
- Ability to generate an HL7 v2.x MDM^T02 (Provide Document with Content) and MDM^T09 (Replace Document)
- Ability to include a CCD in the MDM message

Vendor will Register Document in the XDS registry to allow sharing with other providers (internal MDM^T01 or ITI 14 messaging)

Sending physician or hospital may elect to use a vendor-hosted repository for approved document types that may be shared among health care providers. This repository is not part of the KHIE and is controlled by the provider or hospital.

Vendor may include information in a consolidated CCD.

SILVER

Functional Requirements

Base :

- Ability to connect to the KHIE over a secure web service
- Ability to generate an HL7 v2.x QRY^T12 message and send over the web service, synchronous
- Ability to receive an HL7 Doc^T12 message over a web service
- Ability to extract a CDA Document (CCD) from the Doc^T12
- Ability to store a CCD Document
- Ability to view a CCD Document in a Viewer

Optional

- Ability to consume components of the CCD (EMR vendor driven)

Silver Connectivity

Functional Requirements

Base :

- Ability to connect to the KHIE over a secure web service
- Ability to generate an HL7 v2.x QRY^T12 message and send over the web service, synchronous
- Ability to receive an HL7 Doc^T12 message over a web service
- Ability to extract a CDA Document (CCD) from the Doc^T12
- Ability to store a CCD Document
- Ability to view a CCD Document in a Viewer

Optional

- Ability to consume components of the CCD (EMR vendor driven)



Gold Connectivity

Functional Requirements

Base:

- Ability to perform at Silver Level for KHIE Query

- Ability to provide an Encounter CCD to the KHIE following a patient visit (Physician – Clinic)

- Ability to provide a Discharge CCD to the KHIE following a patient admission (hospital)

- Ability to generate an HL7 v2.x MDM^T02 (Provide Document with Content) and MDM^T09 (Replace Document)

- Ability to include a CCD in the MDM message

Vendor will Register Document in the XDS registry to allow sharing with other providers (internal MDM^T01 or ITI 14 messaging)

Vendor will provide sending physician or hospital a hosted Repository for approved document types that may be shared among health care providers. This repository is not part of the KHIE and is controlled by the provider or hospital. Vendor may include information in a consolidated CCD.



Platinum Connectivity

Functional Requirements

Base :

Ability to connect to the KHIE over a secure web service

Ability to utilize the IHE Framework – Cross Enterprise Document Exchange (XDSb) to

- Register Documents with the KHIE and
- Retrieve documents through the KHIE

Ability to maintain a document repository accessible to KHIE or utilize a Vendor hosted repository that is independent from KHIE

Secondary

Ability to utilize the IHE Framework – Cross Enterprise Document Sharing for Imaging (XDS I.b) to

- Register Images and AVIs with the KHIE
- Ability to retrieve images through the KHIE

Ability to maintain an accessible PACS image repository



**For more information,
see the Governor's Office of Electronic
Health Information website at
<http://chfs.ky.gov/os/goehi/khie.htm>**

For questions, email KHIE@ky.gov

